

## **CLAIM AMENDMENTS**

1 1. (original) A parachute canopy release mechanism having a frame supporting a latch  
2 which latch interlocks with a strap holding member which is released by  
3 movement of the latch and the latch being moved by the movement of an  
4 actuating lever and the actuating lever being protectively covered by a movable  
5 cover and exposed when the movable cover is opened and said frame having a  
6 floor and side walls wherein the improvement comprises:

7 a canopy release locking bar held by one of said frame and said  
8 movable cover, said canopy release locking bar locks the cover with  
9 respect to the frame when it is in its closed position and permits the cover  
10 to move to an open position when the canopy release locking bar is in an  
11 open position which allows the cover to move and expose the actuating  
12 lever.

2. (original) The canopy release locking mechanism of claim 1 wherein said canopy  
release locking bar is held by said cover.

1 3. (original) The canopy release locking mechanism of claim 2 wherein said canopy  
2 release locking bar is pivotally held by said cover and has a frame engaging cam  
3 at each end and said frame supports a cam contacting arm at each end of said  
4 canopy release locking bar.

1 4. (original) A parachute canopy release mechanism having a frame supporting a  
2 latch, said latch having a latch tooth which releasably holds a tang tooth of a  
3 parachute-strap-holding tang portion of a parachute strap holder which may be  
4 inserted or released in a direction parallel to a longitudinal axis of said frame,  
5 said latch being releasably secured in a locked position by an actuating lever,  
6 said actuating lever being covered by a hinged cover pivotable about an axis  
7 parallel to a transverse axis of said frame and said parachute canopy release  
8 mechanism being released by opening said hinged cover to expose said  
9 actuating lever and by opening said actuating lever the latch is released and  
10 moves into a position which releases its hold on said tang tooth and releases  
11 said parachute strap holder wherein the improvement comprises:

12 a canopy release locking bar held at an outer end of said hinged  
13 cover, said canopy release locking bar having a frame engaging member  
14 which locks the frame engaging member with respect to said frame when  
15 said canopy release locking bar is in its locked position and when in its  
16 locked position prevents the hinged cover from opening and said canopy  
17 release locking bar being movable to an unlocked position wherein said  
18 frame engaging member releases its lock to said frame and permits said  
19 hinged cover to open which permits said actuating lever to be opened.

5. (original) The parachute canopy release mechanism of claim 4 wherein said canopy  
release locking bar is pivotally held at said outer end of said hinged cover.

6. (original) The parachute canopy release mechanism of claim 5 wherein said frame engaging member of said canopy release locking bar abuts a pin portion of said frame extending inwardly from an inner surface portion of said frame.

1 7. (currently amended) The parachute canopy release mechanism of claim 6 wherein  
2 said frame has a pair of vertical side plates extending upwardly from a floor  
3 portion and each vertical side plate having an inwardly directed side and canopy  
4 release locking bar is positioned within said inwardly directed sides and each of  
5 said vertical side plates supporting a the pin portion of said frame.

8. (original) The parachute canopy release mechanism of claim 4 wherein said canopy release locking bar has a knurled face having a plurality of longitudinal ridges, a plurality of said ridges having a plurality of notches formed along said plurality of ridges.

1 9. (withdrawn) A parachute canopy release mechanism having a frame supporting a  
2 latch which latch interlocks with a strap holding member which is released by  
3 movement of the latch and the latch being moved by the movement of an  
4 actuating lever and the actuating lever being protectively covered by a movable  
5 cover and exposed when the movable cover is opened and said frame having a  
6 floor and side walls wherein the improvement comprises:  
7 a water activated release triggering unit removably attached to an  
8 underside of said floor of said frame, said water activated triggering

9 release unit having means for triggering the movement of a cover cam  
10 supported by said frame, said cover cam, when moved, opening said  
11 movable cover and said water activated release triggering unit having  
12 means for triggering the movement of a lever cam supported by said  
13 frame thereby causing the tang tooth to be released.

1 10. (withdrawn) The canopy release locking mechanism of claim 9 further including a  
2 locking bar which locks the cover in a closed position when the locking bar is in a  
3 closed position and unlocks the cover when in an open position and wherein the  
4 movement of said cover cam moves said locking bar from a closed position to an  
5 open position.

11. (withdrawn) The canopy release locking mechanism of claim 9 wherein said frame  
has an opening in the floor thereof through which a triggering lever extends and  
said water activated release triggering unit moves said triggering lever when  
exposed to water.